APRIL/MAY 2024

BEL52/CEL52 — CELLULAR MOBILE COMMUNICATION

Time : Three hours Maximum : 75 marks

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SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Expand FDMA.
2. What is uplink?
3. What is meant by Handoff?
4. Define ACI.
5. Define GSM.
6. What is meant by VLR failure restoration?
7. Expand WAP.
8. Define WDP.
9. What is satellite based system?
10. Define quality of service in 3G.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the evolution of the cordless telephony.

Or

(b) Discuss about the evolution of GSM.

12. (a) Describe the main steps of Inter – BS handoff procedures.

Or

(b) Explain the channel assignment scheme.

13. (a) Write short notes on base station system.

Or

(b) Explain the MAP dialogue.

14. (a) Discuss about the wireless datagram protocol.

Or

(b) Explain the transport layer securities.

15. (a) Explain the WLL.

Or

(b) Discuss about the TR–45 service.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss about the cordless telephony.

17. Describe the roaming management.

18. Draw the SMS Architecture and explain it.

19. Explain the WAP Architecture with neat diagram.

20. Explain the WIFI technology.

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